

Acceptance Testing UAT Execution & Report Submission

Date	18 FEB 2026
Team ID	LTVIP2026TMIDS87433
Project Name	Rain Prediction Pipeline Flask
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to explain the test coverage and identified issues of the **Rainfall Prediction System** at the time of release for User Acceptance Testing (UAT).

The application allows users to input weather parameters and receive rainfall prediction results generated using a trained machine learning model deployed through Flask.

2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1 (High)	Severity 2 (Medium)	Severity 3 (Low)	Subtotal
Fixed	0	1	1	2
Not Reproduced	0	0	0	0
Won't Fix	0	5	0	0
Totals	0	1	1	2

Defect Details:

Bug 1 (Severity 2 – Medium)

Issue: Application crashed when submitting empty input fields.

Resolution: Added input validation before model prediction.

Status: Fixed

Bug 2 (Severity 3 – Low)

Issue: First prediction response was slightly slow during model loading. Resolution:
Model preloaded during app initialization.

Status: Fixed

No critical defects found.

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

SECTION	TOTAL CASES	NOT TESTED	FAIL	PASS
WEB INTERFACE	3	0	0	3
INPUT VALIDATION	2	0	0	2
PREDICTION ENGINE	3	0	0	3
RESULT DISPLAY	2	0	0	2
ERROR HANDLING	2	0	0	2
TOTAL	12	0	0	12